INTELLIGENT TALLY CONTROL SYSTEMS

IMAGE VIDEO

The Image Video tally control system is an essential component of broadcast and production environments. It must determine where signals come from, where they go, and how they are being used.

In a typical multi-production environment, signals arriving at the facility's main router are checked for quality, converted and then routed as per studio requirements.

Studios use these and other local signals in production. A basic tally system must:

- Track down the origin of a signal that reaches a specific monitoring point
- Distinctively identify signals which contribute to the on-air path
- Return information back to the signals origin describing its usage

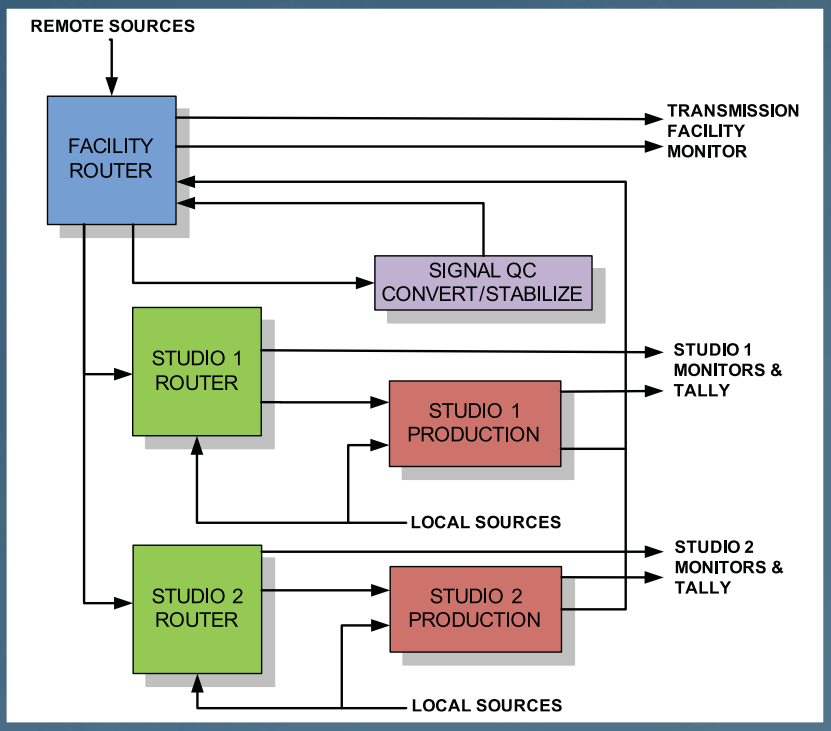


IMAGE VIDEO's TSI-3000 based Tally System goes beyond this level of functionality, providing these standard features:

- Scalability – up to 48 controllers can be networked together with each controller having up to four network interfaces installed
- Multiple Tally areas – Each controller supports 8 tally areas - This is ideal for a multi-control room operation
- Distinct identification of signals in use by other studios in shared facility to avoid equipment sharing problems
- Tally Expression Language allows for the creation of custom applications by the end user
- Alternate names for any signal, i.e. descriptive names for remote signals, or abbreviated names to save display space
- Provide additional source names in the same display (i.e. combine a source name with the name of the tie line or signal converter that carries the source)
- Interactive editing of display contents to place messages on infrequently changed displays
- Indicate on-air, next-to-air, or other tally states such as ISO or remote tally with a different color or message
- Interfaces to all routers, switchers and multi-viewers using serial or Ethernet ports
- GPI inputs track other equipment or control display and status functions
- General purpose GPI outputs provide tally or control to other equipment
- TSI-3000 Tally System Interface coordinates all tally system operations
- Ethernet port combines multiple independent tally systems into one facility-wide system
- Change any aspect of tally system from a Windows PC, even while tally system is in use
- Save any number of tally system configuration files to disk and recall later for different productions or operator preferences
- Monitor tally system from PC with on-screen display of multiple monitor walls

The IMAGE VIDEO Tally System quickly identifies originating sources carried to any point in your signal switching system. It traces a signal's path through various types of routing and processing equipment including routing switchers, production switchers, and master control switchers. The tally system can interface to equipment from all major manufacturers including popular multi-image display systems.

The IMAGE VIDEO Tally System is extremely easy to configure. It can be configured to monitor signal routing and processing equipment in virtually any arrangement. The tally system can even monitor signals that re-enter the same equipment or signals that go to many destinations.

To configure the tally system, model your unique system by identifying the equipment you wish to monitor and the signal interconnections between that equipment. Add remote displays to the tally system and choose the type of information you wish to appear in each display. Add general purpose outputs and specify their functions. You can connect equipment from different manufacturers in the same tally system.

TSI-3000

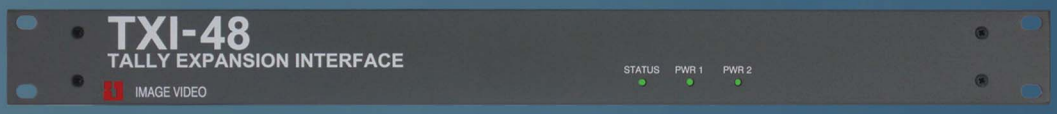
At the heart of the IMAGE VIDEO Tally System is the TSI-3000 Tally System Interface. The TSI-3000 collects information from signal routing and processing equipment to operate displays and tallies as directed by its internal configuration information. The TSI-3000 is configured from a Windows PC running the Tally System Console 2 program. Once configured, the TSI-3000 continues to operate the tally system with or without the PC connected. Other TSI-3000 features include:

- **All electronics housed in two rack unit frame**
- **Ten RS-422 / RS-485 ports**
- **Four RJ11 remote display ports**
- **Up to four Ethernet ports**
- **One longitudinal time code port**

- **Optional redundant power supply plugs into the same frame**
- **Color LCD with touch panel for configuration and status of TSI-3000 ports and devices**
- **Multiple TSI-3000 units connected together through their Ethernet ports can extend system capacity or make independent local tally systems with shared remote information**

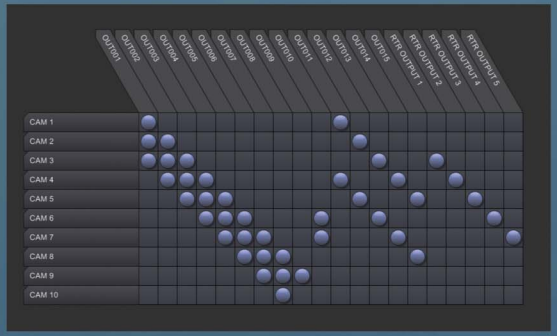
GPI I/O INTERFACE

In most tally systems, there are cameras, tape machines, or other equipment that needs a control signal to indicate on-air, next-to-air, isolation,or some other useful condition. In some cases, there is signal switching equipment that, rather than having a serial port for interrogation and control, provides only parallel control signals to indicate switching activity. In either of these situations, the IMAGE VIDEO TXI-48 and TXI-80 Tally Expansion Interface provides general purpose outputs and inputs between this equipment and the rest of the tally system. Each unit provides up to 48 inputs and 48 outputs in a single rack unit. Outputs are dry relay contact closures. Inputs can be optically-isolated, voltage-sensing, or pull-to-ground type. Cascade many TXI Interface Units to extend system capacity up to 2048 inputs and 2048 outputs per TSI-3000 unit using RS-422 / 485 or Ethernet.



RCP-20 / RCP-40 TALLY MAP VIRTUAL PIN MATRIX

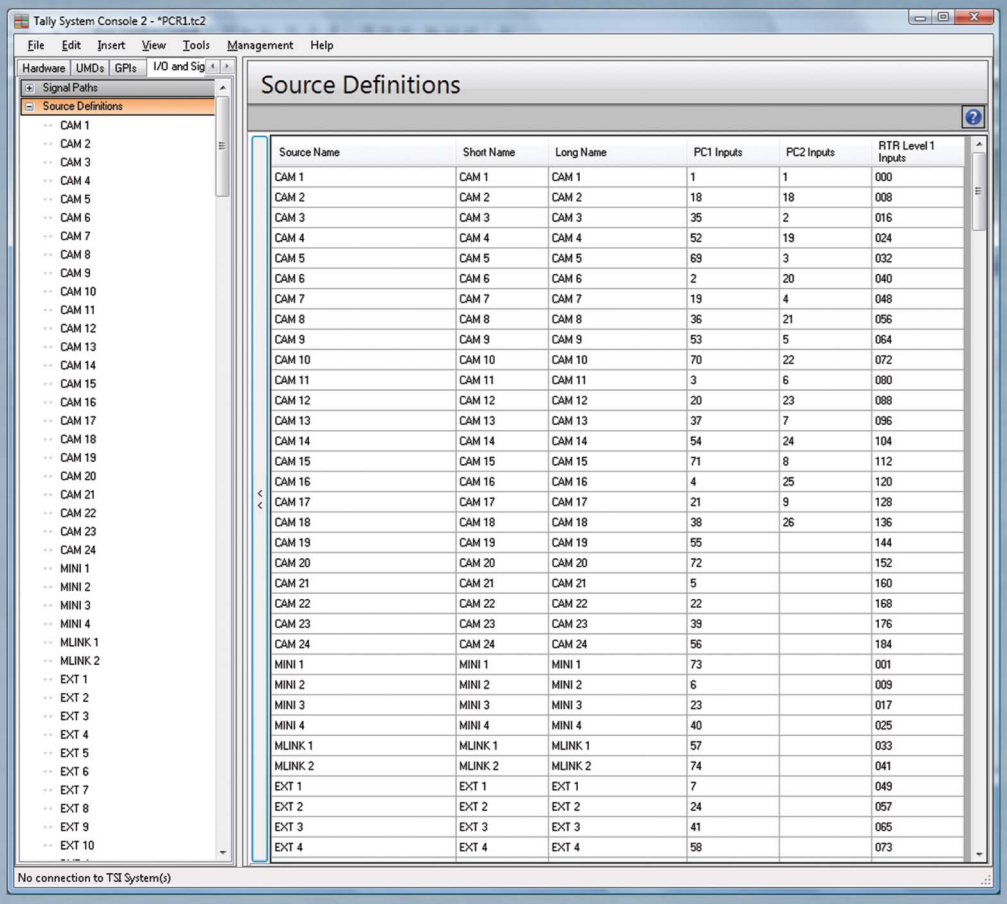
Many applications require a dynamic user interface to modify frequently changing resources. Image Video provides this functionality either as an intuitive virtual pin matrix GUI, or a dedicated remote control panel. Common applications include camera delegation in a multi-control room facility, or external tally assignments in mobile production vehicles. Additional applications include router control, remote GPI control and ISO assignment.



TALLY SYSTEM CONSOLE 2

A FRESH NEW APPROACH TO TALLY SYSTEM PROGRAMMING

With ever increasing system complexity and size, a new approach was required to build, program and operate a modern facility wide tally control system.

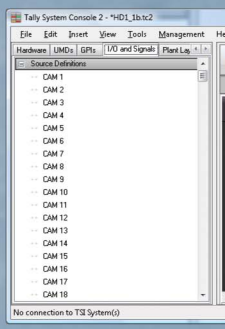

Tally System Console 2 - *PCR1.tc2
File Edit Insert View Tools Management Help
Hardware UMDs GPIs I/O and Sig
Signal Paths
Source Definitions
CAM 1
CAM 2
CAM 3
CAM 4
CAM 5
CAM 6
CAM 7
CAM 8
CAM 9
CAM 10
CAM 11
CAM 12
CAM 13
CAM 14
CAM 15
CAM 16
CAM 17
CAM 18
CAM 19
CAM 20
CAM 21
CAM 22
CAM 23
CAM 24
MINI 1
MINI 2
MINI 3
MINI 4
MLINK 1
MLINK 2
EXT 1
EXT 2
EXT 3
EXT 4
EXT 5
EXT 6
EXT 7
EXT 8
EXT 9
EXT 10
Source Definitions
Source Name | Short Name | Long Name | PC1 Inputs | PC2 Inputs | RTR Level 1 Inputs
CAM 1 | CAM 1 | CAM 1 | 1 | 1 | 000
CAM 2 | CAM 2 | CAM 2 | 18 | 18 | 008
CAM 3 | CAM 3 | CAM 3 | 35 | 2 | 016
CAM 4 | CAM 4 | CAM 4 | 52 | 19 | 024
CAM 5 | CAM 5 | CAM 5 | 69 | 3 | 032
CAM 6 | CAM 6 | CAM 6 | 2 | 20 | 040
CAM 7 | CAM 7 | CAM 7 | 19 | 4 | 048
CAM 8 | CAM 8 | CAM 8 | 36 | 21 | 056
CAM 9 | CAM 9 | CAM 9 | 53 | 5 | 064
CAM 10 | CAM 10 | CAM 10 | 70 | 22 | 072
CAM 11 | CAM 11 | CAM 11 | 3 | 6 | 080
CAM 12 | CAM 12 | CAM 12 | 20 | 23 | 088
CAM 13 | CAM 13 | CAM 13 | 37 | 7 | 096
CAM 14 | CAM 14 | CAM 14 | 54 | 24 | 104
CAM 15 | CAM 15 | CAM 15 | 71 | 8 | 112
CAM 16 | CAM 16 | CAM 16 | 4 | 25 | 120
CAM 17 | CAM 17 | CAM 17 | 21 | 9 | 128
CAM 18 | CAM 18 | CAM 18 | 38 | 26 | 136
CAM 19 | CAM 19 | CAM 19 | 55 | | 144
CAM 20 | CAM 20 | CAM 20 | 72 | | 152
CAM 21 | CAM 21 | CAM 21 | 5 | | 160
CAM 22 | CAM 22 | CAM 22 | 22 | | 168
CAM 23 | CAM 23 | CAM 23 | 39 | | 176
CAM 24 | CAM 24 | CAM 24 | 56 | | 184
MINI 1 | MINI 1 | MINI 1 | 73 | | 001
MINI 2 | MINI 2 | MINI 2 | 6 | | 009
MINI 3 | MINI 3 | MINI 3 | 23 | | 017
MINI 4 | MINI 4 | MINI 4 | 40 | | 025
MLINK 1 | MLINK 1 | MLINK 1 | 57 | | 033
MLINK 2 | MLINK 2 | MLINK 2 | 74 | | 041
EXT 1 | EXT 1 | EXT 1 | 7 | | 049
EXT 2 | EXT 2 | EXT 2 | 24 | | 057
EXT 3 | EXT 3 | EXT 3 | 41 | | 065
EXT 4 | EXT 4 | EXT 4 | 58 | | 073
No connection to TSI System(s)

Tally System Console 2, provides the user with a table based user interface, that allows source and destination definitions to easily be pasted into tables from spreadsheets, or routing switcher configuration software.

In one table, the user can view and modify monitor wall display names, as well as router and switcher physical I/O's.

Source and destination definitions may be defined globally or on a per device basis.

A source or destination item may appear on an undermonitor display using it's native name, a short name or long name alias



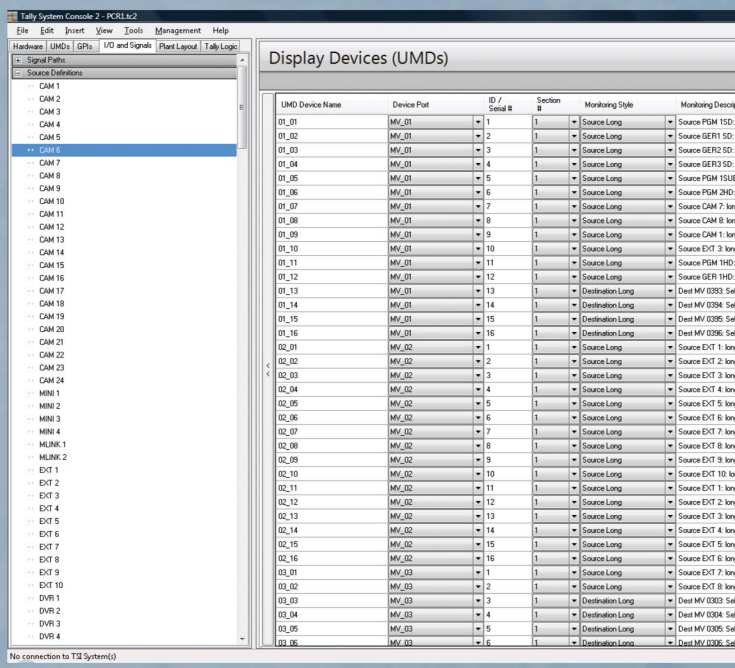
UMD and GPI programming has never been easier

Once an under monitor display or a GPI output has been defined, it can be easily reprogrammed using a simple drag and drop interface. A source or destination item, is simply dropped onto a target (UMD or GPI), and the new programming takes effect immediately.

The flexibility and high level of customization that Image Video tally systems are famous for is still available using a powerful tally expression language. This language allows custom applications to be created simply and quickly.

Tally System Console 2 comes standard with a large number of prebuilt UMD and GPI styles that meets the requirements of the most demanding users.

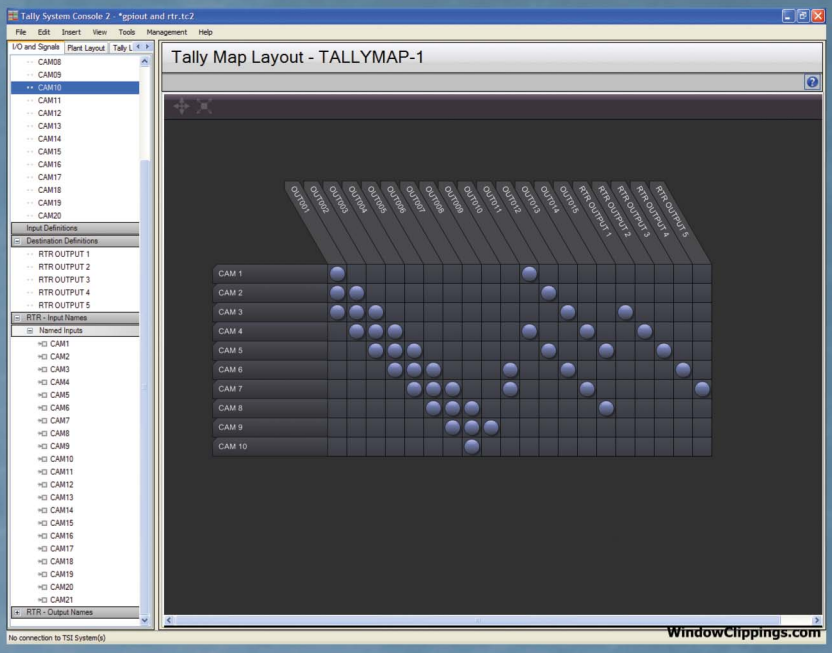
New multiple tally area capability means that a single controller can accommodate up to 8 unique tally areas. In a typical multi-control room facility, a tally area would represent a production control room, or master control room.


Tally System Console 2 - PCR1.tc2
File Edit Insert View Tools Management Help
Hardware UMDs GPIs I/O and Signals Plant Layout Tally Logic
Signal Paths
Source Definitions
Display Devices (UMDs)
UMD Device Name | Device Port | ID / Serial # | Section # | Monitoring Style
01_01 | MV_01 | 1 | 1 | Source Long
01_02 | MV_01 | 2 | 1 | Source Long
01_03 | MV_01 | 3 | 1 | Source Long
01_04 | MV_01 | 4 | 1 | Source Long
01_05 | MV_01 | 5 | 1 | Source Long
01_06 | MV_01 | 6 | 1 | Source Long
01_07 | MV_01 | 7 | 1 | Source Long
01_08 | MV_01 | 8 | 1 | Source Long
01_09 | MV_01 | 9 | 1 | Source Long
01_10 | MV_01 | 10 | 1 | Source Long
01_11 | MV_01 | 11 | 1 | Source Long
01_12 | MV_01 | 12 | 1 | Source Long
01_13 | MV_01 | 13 | 1 | Destination Long
01_14 | MV_01 | 14 | 1 | Destination Long
01_15 | MV_01 | 15 | 1 | Destination Long
01_16 | MV_01 | 16 | 1 | Destination Long
02_01 | MV_02 | 1 | 1 | Source Long
02_02 | MV_02 | 2 | 1 | Source Long
02_03 | MV_02 | 3 | 1 | Source Long
02_04 | MV_02 | 4 | 1 | Source Long
02_05 | MV_02 | 5 | 1 | Source Long
02_06 | MV_02 | 6 | 1 | Source Long
02_07 | MV_02 | 7 | 1 | Source Long
02_08 | MV_02 | 8 | 1 | Source Long
02_09 | MV_02 | 9 | 1 | Source Long
02_10 | MV_02 | 10 | 1 | Source Long
02_11 | MV_02 | 11 | 1 | Source Long
02_12 | MV_02 | 12 | 1 | Source Long
02_13 | MV_02 | 13 | 1 | Source Long
02_14 | MV_02 | 14 | 1 | Source Long
02_15 | MV_02 | 15 | 1 | Source Long
02_16 | MV_02 | 16 | 1 | Source Long
03_01 | MV_03 | 1 | 1 | Source Long
03_02 | MV_03 | 2 | 1 | Source Long
03_03 | MV_03 | 3 | 1 | Destination Long
03_04 | MV_03 | 4 | 1 | Destination Long
03_05 | MV_03 | 5 | 1 | Destination Long
03_06 | MV_03 | 6 | 1 | Destination Long
No connection to TSI System(s)

Virtual GPI pin matrix

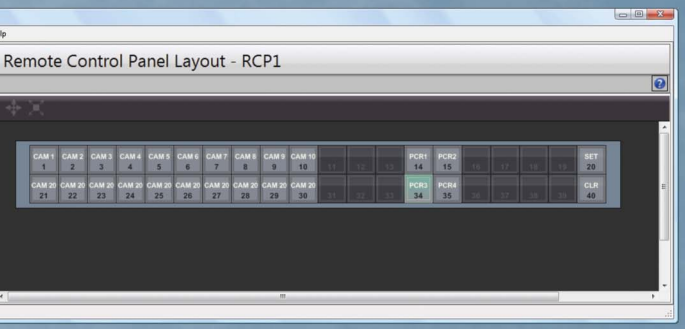
Now GPI routing and assignments may be made with our new integrated virtual matrix. In a mobile production environment, you frequently have to reassign external GPI I/O signals on the fly. Other applications include: router control, camera delegation, machine control, etc.

Multiple maps may be created and recalled at the push of a button



RCP control panel editor

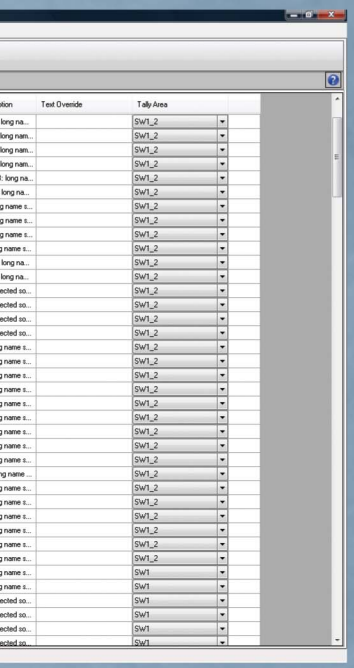
Similar functionality to the virtual pin matrix is also available in a dedicated hardware panel with 20 (RCP-20) or 40 (RCP-40) pushbuttons.

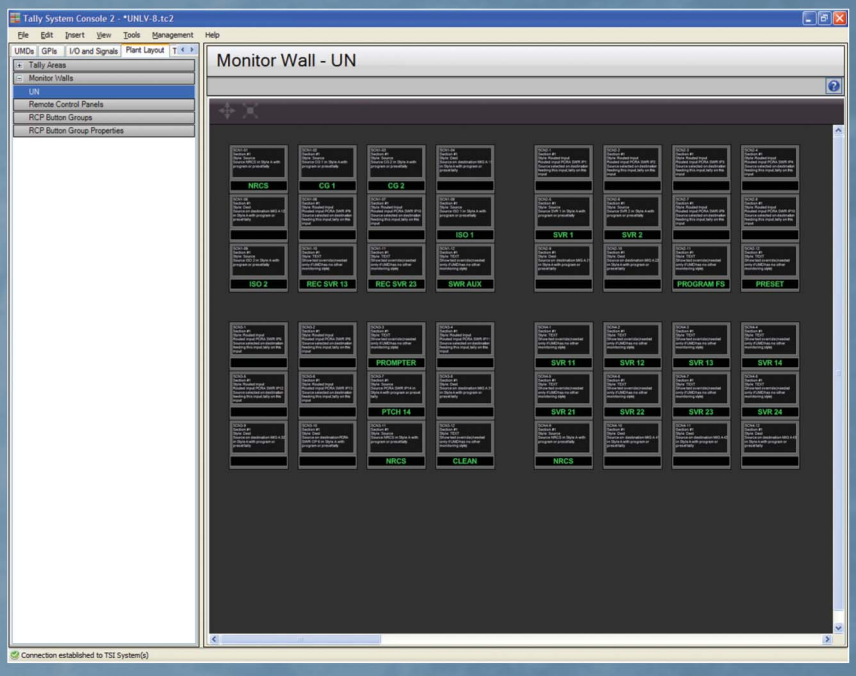


Tally system Console 2 also integrates an easy to use control panel editor which allows the user to quickly and easily modify the functionality of the control panel by dragging and dropping source, destinations, or control functions onto buttons.

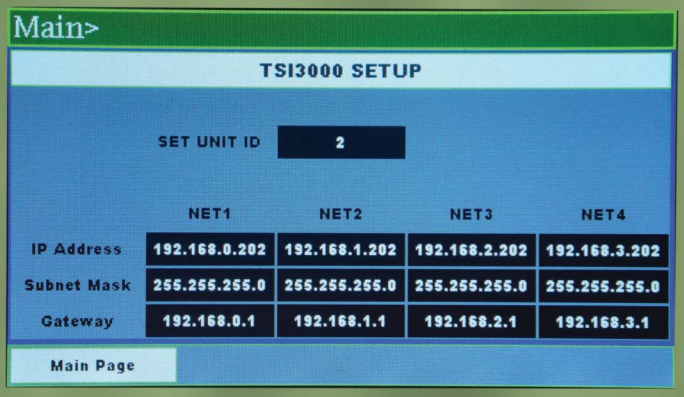
Virtual Monitor Wall View

Virtual monitor walls may be created to allow the user to monitor the status of any point in the tally system. In addition to monitoring, UMD's may be reprogrammed by dragging and dropping a source or destination item onto the virtual UMD.





TSI-3000 TALLY SYSTEM INTERFACE



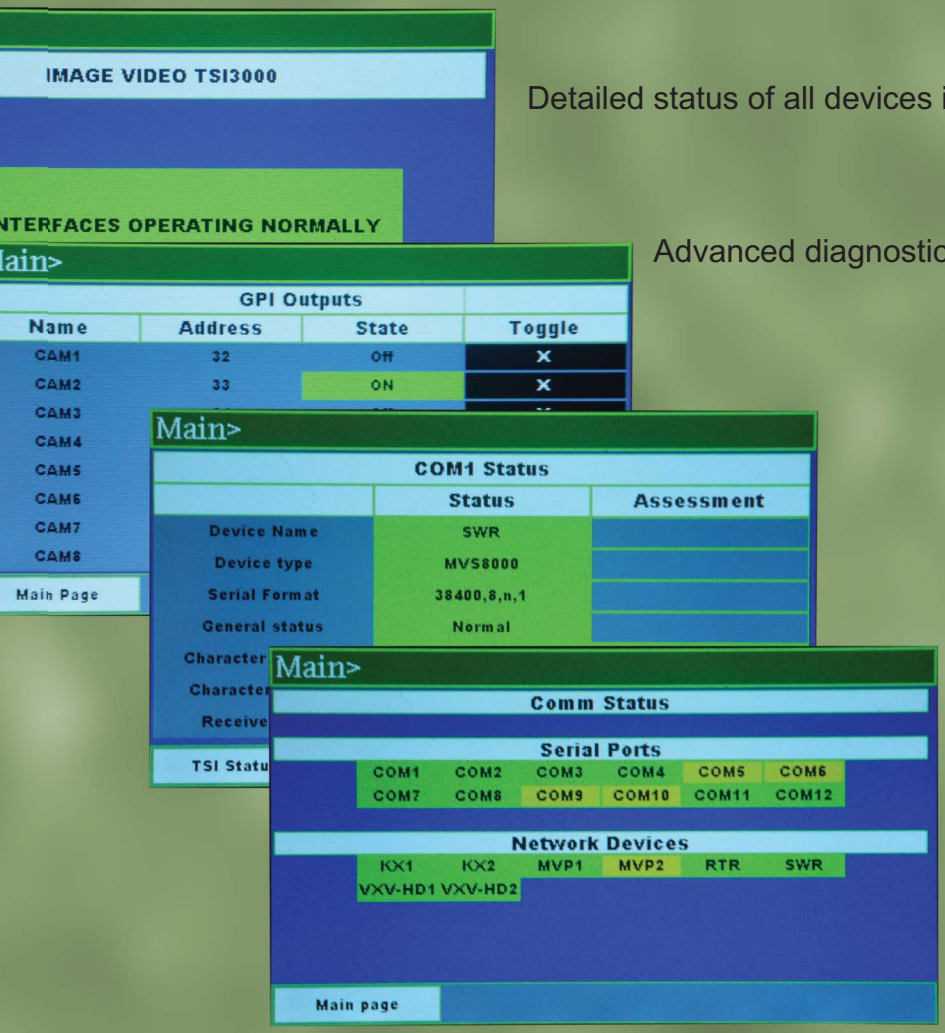
Color LCD control panel with touch interface provides configuration and status functions:

Easily configure one of the four network interface cards in the TSI-3000

TSI-3000 ACO AUTO CHANGE-OVER

- **Monitors the health of main and backup tally controllers**
- **Keeps configuration data synchronized between tally controllers**

- **Manual or automatic selection of controllers**
- **Includes all required cables to interconnect TSI-3000 controllers and the ACO**
- **System status indicated on tri-color LED's**
- **Available as a standalone unit for use with existing controllers, or as part of a complete package including one or two TSI-3000 controllers**



Detailed status of all devices in the tally system are available

Advanced diagnostics such as direct GPI control

GSI-1 / GSI-3 TALLY CONTROLLERS

Easy to use GPI and tally routing

The GSI-1 allows for a matrix size of 120 x 120, while the GSI-3 allows for a matrix of 240 x 240

GSI-3 adds support for serial pproduction switcher interfaces, as well as UMD support

- **Cost effective tally and GPI routing solution**
- **Serial interface to supported production switchers**
- **Pre-defined configurations and tally layouts may be recalled from stored files**
- **GPI state is maintained in non-volatile memory in the event of a power failure**
- **Easily configured via a Windows PC running the supplied tally console software**
- **Uses Image Video standard TXI GPI interface units**
- **Output relays in the TXI GPI interface may be controlled by any combination of switcher crosspoints and GPI inputs**

UNDER MONITOR DISPLAYS

Tri-Color Displays

- Tri-color 0.7” LED displays are bright and easy to read
- Slim 0.9"deep design mounts below or in front of single, dual, or triple monitor bank
- Over 30 levels of LED brightness to suit most lighting conditions
- Text formatting controls including alternate character sets, centering, and flashing
- Loop-thru RJ11 connection to tally system, or any RS-485 / RS-232 serial port

Under Monitor Displays with Audio Metering

The RDU-1519 is a dual 17” under monitor display with four channels of audio metering.

The RDU-1518 is a single 17” under monitor display with two channels of audio metering.

Static Displays

If color change is needed but the display message changes infrequently, install static displays. Print your own labels on transparencies, then insert labels into displays as needed. Static displays provide the same 'look' as changeable display's, but at reduced cost. Connect the tally system to the display’s built-in tally input to change color from green to red to indicate on-air or some other condition.

The 7721 series of static displays features a plugable terminal block for tally connections, a brightness control, and a tally color mode selector.

IMAGE VIDEO has a wide variety of display models to suit any application. Select from three-color or single-color in 17”, 13” and 8.5” wide models. Choose rack or wall mounting, or take advantage of space in front of monitor controls with a unique front-mount mounting system.

Build a tally system from any combination of display models. Outfit an entire facility or monitor wall, or start with just a few displays and expand later. To reduce cost, any display can be loaded with fewer than the maximum LED's so you only pay for the display space that you need.

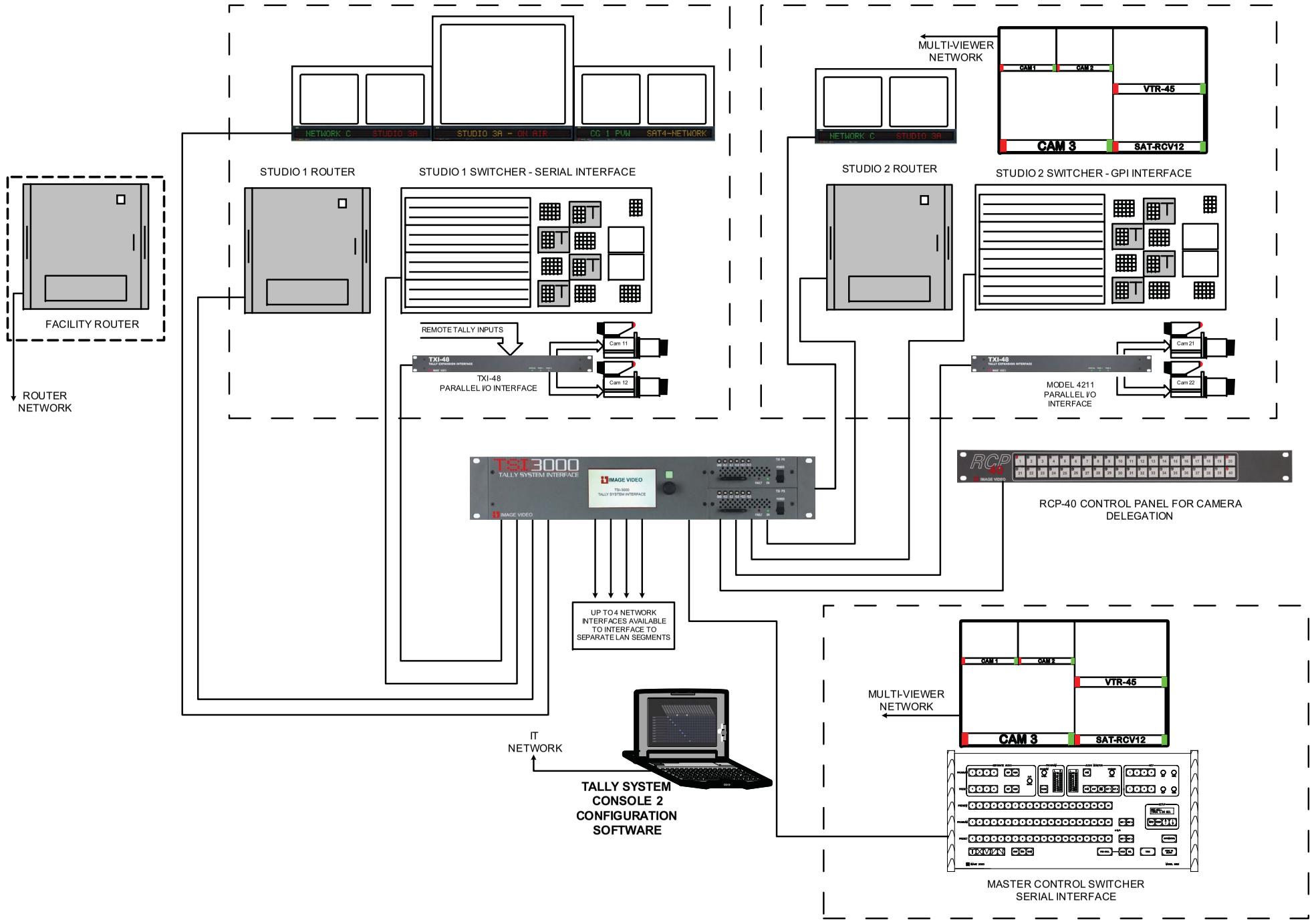
Single-Color Displays

If color change is not important for displays in some locations, install single-color displays, further reducing cost. If desired, single color displays can include different colored LED end blocks to indicate on-air tally or other conditions.th fewer than the maximum LED's so you only pay for the display space that you need.

RDU-1710 SERIES HIGH RESOLUTION UNDER MONITOR DISPLAY

Features:

- **High resolution 16 dots high x 160, 112, and 80 dots wide models available.**
- **Text may be displayed in any combination of red, green, and amber color.**
- **Less than 1” deep.**
- **Many different mounting options available, including a zero rack space mounting bracket.**
- **Ability to display character sets such as Chinese, Japanese and Arabic.**
- **Interfaces with our TSI-1000 tally controller.**
- **Display surface may be partitioned into 8 sections.**
- **Large selection of text effects such as scrolling and dissolves between messages.**
- **Download custom graphics characters.**
- **Brightness of display is adjustable to suit most lighting conditions.**


FACILITY ROUTER
ROUTER NETWORK
STUDIO 1 ROUTER
STUDIO 1 SWITCHER - SERIAL INTERFACE
NETWORK C
STUDIO 3A
STUDIO 3A - ON AIR
CG 1 PVW
SAT4-NETWORK
REMOTE TALLY INPUTS
TXI-48
PARALLEL I/O INTERFACE
Cam 11
Cam 12
MULTI-VIEWER NETWORK
STUDIO 2 ROUTER
STUDIO 2 SWITCHER - GPI INTERFACE
CAM 1
CAM 2
VTR-45
CAM 3
SAT-RCV12
Cam 21
Cam 22
MODEL 4211
PARALLEL I/O
INTERFACE
TSI3000
TALLY SYSTEM INTERFACE
IMAGE VIDEO
RCP-40
RCP-40 CONTROL PANEL FOR CAMERA DELEGATION
UP TO 4 NETWORK INTERFACES AVAILABLE TO INTERFACE TO SEPARATE LAN SEGMENTS
IT NETWORK
TALLY SYSTEM CONSOLE 2 CONFIGURATION SOFTWARE
MULTI-VIEWER NETWORK
MASTER CONTROL SWITCHER SERIAL INTERFACE

UMD ORDERING INFORMATION

RDU-1513 Dual Display (17")

134-0153-13 16 proportionally spaced / 13 fixed space characters per side
134-0153-08 10 proportionally spaced / 8 fixed space characters per side

RDU-1512 Single Display (17")

134-0152-26 32 proportionally spaced / 26 fixed space characters
134-0152-08 10 proportionally spaced / 8 fixed space characters

RDU-1517 Single Display (13")

134-0157-20 24 proportionally spaced / 20 fixed space characters
134-0157-08 10 proportionally spaced / 8 fixed space characters

RDU-1516 Single Display (13")

134-0156-13 16 proportionally spaced / 13 fixed space characters
134-0156-08 10 proportionally spaced / 8 fixed space characters

RDU-1518 Single Display (17") with two Channel Audio Meter

134-0158-20 24 proportionally spaced / 20 fixed space characters with audio meter
134-0158-08 10 proportionally spaced / 8 fixed space characters with audio meter

RDU-1519 Dual Display (17") with four Channels of Audio Meter

134-0159-08 10 Proportional / 8 fixed space characters per side with audio meter
134-0159-13 16 Proportional / 13 fixed space characters per side with 4 channels of audio metering

GSI TALLY SYSTEM INTERFACE

161-0135-01 GSI-1 Tally interface c/w TallyMapper software Size up to 120X120 c/w Wall Mount Power Pack Interfaces with TXI parallel I/O

161-0138-01 GSI-3 Tally interface c/w TallyMapper software and interface to GVG Kalypso, Zodiak, ROSS Synergy, Under Monitor Dis plays and interface c/w Wall Mount Power Pack

161-0138-02 GSI-3 Tally interface c/w TallyMapper software and interface to SONY MVS8000/DVS9000/MFS2000 Under Monitor Dis plays c/w Wall Mount Power Pack

161-0138-03 GSI-3 Tally interface c/w TallyMapper software and interface to SONY DVS7000 ,DVS6000C switcher Under Monitor Displays c/w Wall Mount Power Pack

161-0138-04 GSI-3 Tally interface c/w TallyMapper software and interface to Thomson DD, Kayak switcher Under Monitor Displays c/w Wall Mount Power Pack

161-0138-05 GSI-3 Tally interface c/w TallyMapper software and interface to GVG 2200,3000,4000, Under Monitor Dis plays c/w Wall Mount Power Pack

RDU-1710 Series

134-0172-10 16 X 160 Pixel resolution allows for the displays of two lines of up to 32 characters per line (7 pixel high characters) or 10 characters of 16 pixel height. Or any combination of font sizes / foreign characters

134-0176-05 16 X 80 Pixel resolution allows for the displays of two lines of up to 16 characters per line (7 pixel high characters) or 5 characters of 16 pixel height. Or any combination of font sizes / foreign characters

7721 Static UMD

134-0069-01 Two color LED Single Display, rack-mount
134-0069-02 Two color LED Single Display, 17"
134-0069-03 Two color LED Single Display, 13"
134-0069-04 Two color LED Single Display, 8 5/8"
134-0069-05 Two color LED Dual Display, rack-mount
134-0069-06 Two color LED Dual Display, 17"
134-0069-12 Two color LED Triple Display, rack-mount
134-0070-01 7721A with 2 channel Audio Meter, rack-mount
134-0070-05 7721B with 4 channel Audi Meters, rack Mount
134-0099-01 Interchangeable legends for 7721E triple with up to 8 characters per insert in a Dot Matrix (5x7) configuration. Ten inserts are available per sheet.
134-0099-02 Interchangeable legends for 7721A,B, and with up to 10 characters per insert in a Dot Matrix (5x7) configuration. Ten inserts are available per sheet.

Wall Mount Power Packs

114-0316-01 120V 60Hz AC. 12VDC. 1000 ma. c/w right angle plug
132-0191-01 120V 60Hz AC.12VDC. 1000ma. for 7720/7721
114-0341-01 1710 Series 100-240V 50-60Hz AC. c/w right angle plug
132-0195-01 100V 50/60Hz AC.12VDC. 1000ma. for 7720/7721

External 'Brick' Corded Power Packs

114-0318-00 240V 50Hz AC. 12VDC 1000ma
132-0192-00 240V 50Hz AC. 12VDC 1000ma c/w 8' AC cord and 20' DC cord c/w 7720/7721 power / tally connector
114-0324-01 240V 50Hz AC. 15VDC @1.5A for RDU1710 series

Multi-RDU Power Supplies

132-0196-00 Powers up to 8 RDU1710 series displays 120V 60Hz c/w 8 - 20' inter-connect cables
132-0189-00 Powers up to 12 RDU1510 series displays 120V 60Hz c/w 12 - 20' inter-connect cables
132-0189-01 Powers up to 12 RDU1510 series displays 240V 50Hz c/w 12 - 20' inter-connect cables
132-0190-00 Powers up to 18 RDU1610 series displays 120V 60Hz c/w 18 - 20' inter-connect cables
132-0190-01 Powers up to 18 RDU1610 series displays 240V 50Hz c/w 18 - 20' inter-connect cables
133-0201-20 20' Locking Power Supply I/C cable assembly

Rack Mount Adapters

131-0176-00 Pair of Rack Mount brackets for RDU-1513/1512/1613/1612
131-0176-01 Pair of Rack Mount brackets for RDU-1517 / 1617
131-0176-02 Pair of Rack Mount brackets for RDU-1516 / 1616

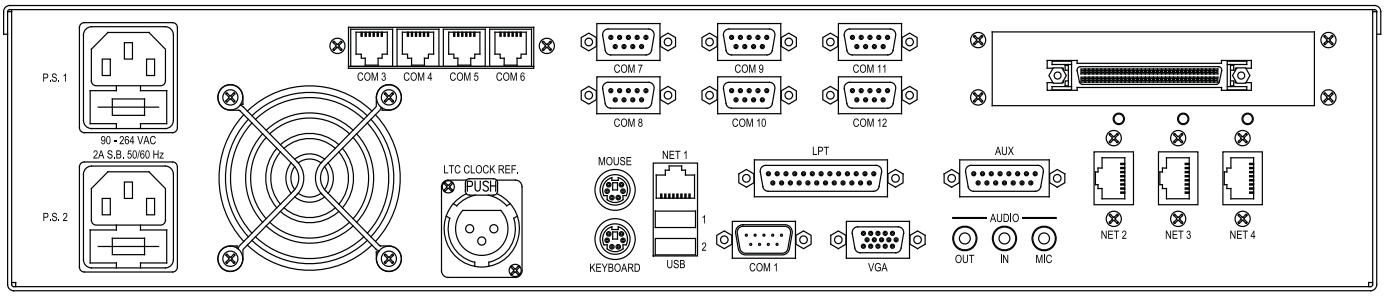
Pivoting Rack Mount Adapters

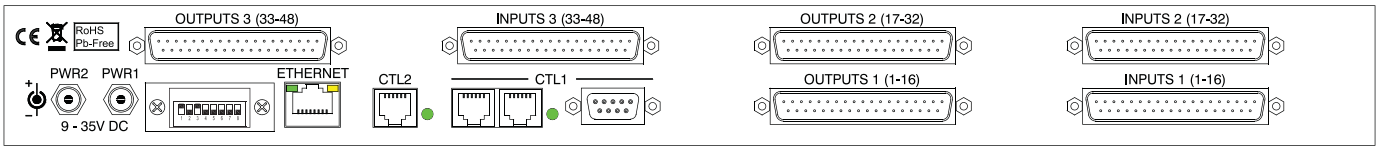
131-0187-00 Pair of Swivel Rack Mount brackets for RDU-1510/1610

Hinged Mounting Adapters

131-0187-01 Hinged slider bracket for RDU-1513/1512/1613/1612
131-0187-02 Hinged slider bracket for RDU-1517 / 1617
131-0187-03 Hinged slider bracket for RDU-1516 / 1616
131-0189-00 Pivoting wall mount bracket for RDU1510, 1610, 1710 series.

ORDERING INFORMATION





TSI-3000 Tally System Interface

161-0139-01	TSI-3000 Tally System 90-264VAC 50 / 60Hz
132-0182-01	Plug-In redundant power supply for TSI-3000 90-264VAC 50 / 60Hz
149-0028-01	Additional Ethernet NIC - up to 3 may be installed
161-0140-01	TSI-3000 Auto Changeover Unit c/w 2 wall mount power supplies and interconnect cables
161-0141-01	TSI-3000 Redundancy Package 1-TSI-3000 c/w 2 power supply 1-TSI-3000 ACO c/w power supply
161-0141-02	TSI-3000 Redundancy Package 2-TSI-3000 c/w 2 power supply 1-TSI-3000 ACO c/w power supply
200-0002-00	License for Miranda Kaleido
200-0004-00	License for BARCO Hydra
200-0009-00	License for EVERTZ MVP
200-0018-00	License for Avitech
200-0024-00	License for Harris Centrio

TXI-48 GPI I/O Frame

134-0054-01	Tally expansion interface with 16 pull to ground inputs and 16 contact closure outputs. Includes 2 wall mount power supplies.
134-0054-02	Tally expansion interface with 48 pull to ground inputs and 48 contact closure outputs. Includes 2 wall mount power supplies.
134-0054-03	Tally expansion interface with 80 pull to ground inputs and 80 contact closure outputs. Includes 2 wall mount power supplies.
134-0054-04	Tally expansion interface with 16 jumper configurable inputs and 16 contact closure outputs. Includes 2 wall mount power supplies.
134-0054-05	Tally expansion interface with 48 jumper configurable inputs and 48 contact closure outputs. Includes 2 wall mount power supplies.
134-0054-06	Tally expansion interface with 80 jumper configurable inputs and 80 contact closure outputs. Includes 2 wall mount power supplies.
132-0198-01	TXI Power supply 90-264V AC 47-63Hz. 12VDC@2.1A

IMAGE VIDEO
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